

### **ABSTRACT OF THE DISCLOSURE**

An uplink synchronization detecting method of a mobile communication system is disclosed. A time period in which a quality of a pilot is measured is divided into multiple accumulation sections, a synchronization detection threshold value is set for each section, and a pilot BER calculated for each section and the synchronization detection threshold value set for each section are compared to judge synchronization detection. Accordingly, when the size of a receiving of an uplink is greater and a pilot quality is good, synchronization detection of the uplink can be quickly made.